

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1996:491081 CAPLUS
DN 125:161780
TI Cloning of a novel ubiquitin-conjugating enzyme (E2) gene from the ciliate Paramecium tetraurelia
AU Okano, Satoshi; Tokushima, Hideyuki; Nakaoka, Yasuo; Shimizu, Kikuo
CS Department of Biophysical Engineering, Faculty of Engineering Science, Osaka University, 1-3 Machikaneyama, Toyonaka, Osaka, 560, Japan
SO FEBS Letters (1996), 391(1,2), 1-4
CQDEN: FEBBLAL; ISSN: 0014-5793
PB Elsevier
DT Journal
LA English
AB We isolated a 1.7 kb gene (UbcP1) for a ubiquitin-conjugating enzyme from a P. tetraurelia cDNA library and sequenced it. Its deduced polypeptide sequence consists of 425 amino acid residues (48 kDa). The UbcP1 protein contains novel N- and C-terminal extensions in addition to a UBC domain, and within the UBC domain it shares low identity with sequences of other known E2s. A constructed phylogenetic tree suggests that the UbcP1 protein may represent a member of a distinct subfamily of E2s. Southern blot anal. showed that the N-terminal extension of the UbcP1 is conserved in P. multimicronucleatum.
IT 180391-20-2
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence)
(amino acid sequence; cloning of novel ubiquitin-conjugating enzyme (E2) gene from ciliate Paramecium tetraurelia)
RN 180391-20-2 CAPLUS
CN Enzyme, E2 (ubiquitin-carrier) (Paramecium tetraurelia strain 51s gene UbcP1) (9CI) (CA INDEX NAME)

SEQ 1 MGGMYFKEEE LSRIGAVNAF FSAFADKTLA FEFNHIVKLV WFESFITDKC
51 DFTNDFNNFI KLVDDASPRG GTKCYDAIAY AIEQLKEIKK KYPNIILRII
101 ALTDGDDNQS KENPQSLVNR IFENQIIIDS FVVNNDCVGL KTLTHATNGR
151 CYCPQT LAEG MSLFEIESIL SISHREQKEY PKELQDLNSL KDKPFDTDGM
201 KVVSMDVQKI AVMKKEEILK KISQIESAPQ NSSSTSQSVN NTARILKELQ
251 DVTAQGDKLN FKCYPTADDI KTWKILLYGP KGTYYEGGLY ILSYVFTQNY
301 PFRPPKVQFI TKLYHPNVSR GGSLCLDVLN TSWSPLTTT KVLDAVSVML
351 QNPNAADDALD CNIAAIYKHE PELFKQNALK EKLEAAPSE DNLLADILGA
401 VDINSQEYLD TKKELQTWLE YQKSN

Porter
1854

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(FILE 'HOME' ENTERED AT 12:47:02 ON 01 NOV 2005)

FILE 'CAPLUS' ENTERED AT 12:47:07 ON 01 NOV 2005
S QEHIGV/SQSP OR EHIGVM/SQSP OR HIGVMK/SQSP OR IGVMKK/SQSP OR G

FILE 'REGISTRY' ENTERED AT 12:48:30 ON 01 NOV 2005
L1 60 S VMKKEE/SQSP

FILE 'CAPLUS' ENTERED AT 12:48:56 ON 01 NOV 2005
L2 32 S L1

FILE 'REGISTRY' ENTERED AT 12:48:58 ON 01 NOV 2005
L3 37 S GVMKKE/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:00 ON 01 NOV 2005
L4 26 S L3

L14 11 SEA L13 AND PY<2001
D 1-11 TI
D 1-11 BIB AB HITSEQ

FILE 'REGISTRY' ENTERED AT 12:49:02 ON 01 NOV 2005
L5 36 S IGVMKK/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:04 ON 01 NOV 2005
L6 22 S L5

FILE 'REGISTRY' ENTERED AT 12:49:05 ON 01 NOV 2005
L7 22 S HIGVMK/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:08 ON 01 NOV 2005
L8 12 S L7

FILE 'REGISTRY' ENTERED AT 12:49:08 ON 01 NOV 2005
L9 25 S EHIGVM/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:11 ON 01 NOV 2005
L10 15 S L9

FILE 'REGISTRY' ENTERED AT 12:49:12 ON 01 NOV 2005
L11 22 S QEHIGV/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:14 ON 01 NOV 2005
L12 12 S L11
L13 60 S L12 OR L10 OR L8 OR L6 OR L4 OR L2
L14 11 S L13 AND PY<2001

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301 PFRPPKVQFI TKLYHPNVSR GGSLCLDVLN TSWSPLLTTT KVLDAVSVML
351 QNPNAADDALD CNIAAIYKHE PELFKQNALK EKLEAAPSE DNLLADILGA
401 VDINSQEYLD TKKELQTWLE YQKSN

Postscript
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L3 37 S GVMKKE/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:00 ON 01 NOV 2005
L4 26 S L3

11-1

201 DIDPLTTLKY ILSLNDQLYD TADVILLEVI HLFKKLYIPH VFDDSYLLIN
251 DEDKDDDDEN NDENNDSKESD EEDDHGDDHN DYNINSNLKE EEKYKYNYND
301 PIYDENKNNK ENNLLDYKKI NNIHNTSNE RYSQSTNHLY TQNNKIGDTY
351 KYISNKSNNV IHHKNEYKEL GEELNLLSED INFQKQLNE NNYNQYKNHV
401 IKILLNMLSK NVSYSVLYEG ACCLLYMSTS ALSIKTACEC FIKLLINQHD
451 NNIKLIVIDK LYYIMCKWKN ILENYAMDIL RALNFPNSRDI KVKILNLVLH
501 VLTKRNVHLV LNVLKELLK LNDQVVYTKH I ITTTNNNNN NTNMNMSNNN
551 NDNNNDNNNNN NNNNNNNNNN NNSNNNNSNN NNNNLSTNYQ EVTSYKKILI
601 KSLQHICNL Y SSECLHIVDL LLYVNHNEQ DINYEAAVCI RKLVKNNNFQ
651 NNILEKMIDS I FDIKKATIL RIFFWVIGQY MFNEHMI INF LNNLYDNLSP
701 LLNNSLENDM INKIQNERFK KNGNINFNL NSNIQTKTVI LEDGTYATEA
751 FLKNQNICNK NNDKNKENTF VYNILYENDD ILLSVICVSL TKLYLKLLSK
801 MNNSFDFILN QNEIICSKEK KEMKHSLIK EHFLNHVTNN NTLDTEECVI
851 SKDPNRISTN SENKITEHDI NEYRNKCIYI LASIIFYGE KNSKPDSNNI
901 YEYDSNVIRI NQCLKIFFYL TANKKELDEQ SKKLIKIFID GDYYYYNKFLE
951 KEEEKYCSIY GSNYKYMCRN NMYANKTNNG NKTFDGNNTF DGNNTFDGNN
1001 TFDGNNILEK STYSRNKFL NDQGEKENVD DDIYFRVLKE KKNILNMLDE
1051 ETSSVCINEN LEKLKLKYTL NNDMLFEENE FQYPSIKYNY SSLFLAKLYN
1101 SQILTGTDDD I FIEALPIIS NVNLIIEIYV YNQSNVYLNQ IYINLSTHGN
1151 LKPIDKIPEF NLAPNEKKKF KISVKVHTTE AGIIFGYVFY ERKNDNHKNY
1201 IVLNELHINM TDYINASFIS SHLFRIMWSE FEWENKINIH TSIRDAFELL
1251 KLIIKNTNMT IVERFMPLEY YDMEIKNNVN QVNISPIDIY ISYISTLEDL
1301 KCLVNNSAFF SVNLFSRSIF GEDSLANLSV QKSADGKLSG SIRVRSRTQV
1351 RKNKTQNKNT KQNKPQDGYIT LLYGIALSLG DKLTLLQTGI NADM

CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

D L2 20 TI BIB HITSEQ

ANSWER 20 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
Localization and function of five glutamate transporters cloned from the
salamander retina.

1998:369436 CAPLUS

129:146956

Localization and function of five glutamate transporters cloned from the
salamander retina

Eliasof, Scott; Arriza, Jeffrey L.; Leighton, Barbara H.; Amara, Susan G.;
Kavanaugh, Michael P.
Vollum Institute L-474, Oregon Health Sciences University, Portland, OR,
97210, USA

Vision Research (1998), 38(10), 1443-1454

CODEN: VISRAM; ISSN: 0042-6989

Elsevier Science Ltd.

Journal

English

203212-47-9, Amino acid transporter, glutamate-transporting 2B
(*Ambystoma tigrinum* gene *SEAAT2B*)

RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological
study, unclassified); PRP (Properties); BIOL (Biological study); OCCU
(Occurrence); PROC (Process)

(amino acid sequence; localization and function of five glutamate
transporters cloned from the salamander retina)

203212-47-9 CAPLUS
Glutamate transporter 2B (*Ambystoma tigrinum* gene *SEAAT2B*) (9CI) (CA)
INDEX NAME)

Patterson
1967

1 MTNNVEIPLS DGHHHHLALE SLPIKDCCSK RCGWLTRNLL LILTIGGVIL
51 GSVFGTLLRL LPPLDSNVL LISFPGDILM RMLKMLLPL VISSLISGLA
101 GLDAKSSGRM GTRAMVYYSMS TTILAVALGV ILVLSIHPGN PKLKKQVSIS
151 TKNEEVSSLD AFLDLIRNLF PENLVQACFQ QIQTQVSKVP VTPSPHELIN
201 QVNLSVSQSN SSMLNSTTAE GNAGPTMVTQ KKLEFKAGMN VLGLIGFFIA
251 FGIAMGKMGF QARLMADFFN ILNEIIIMKLV NMIMWYSPFG IACLICGKIA
301 AIKDLEVVAR QLGMYMVTVI VGLVIHGGIV LPLIFFSITR TNPYTFYGGI

351 FQAWITALGT ASSAGTLPVF FRCLLEENLKI DKRVTRFVLP IGATINMDGT
401 ALYEAVAAIF IAQMNDVSLD GGQIATVSLT ATLASVGAAS IPSAGLVVML
451 LIITAVGLPT QDISLLIAVD WLLDRMRRTSI NVVGDSFGAG IIYHLSKAEL
501 AAIDAKHEAS KEGGKLHLMN HEAAQKHPSD GMSSPPFSGY TSLPTYEYEAE
551 HEKQESLFGH EDDGEWPST SRNSNEKKME D

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
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